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| Substitute for form 1449A/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT(S)</b> | <b>Complete if Known</b> |                            |
|  | Application Number       | To be Assigned             |
|  | Filing Date              | Herewith                   |
|  | First Named Inventor     | Miguel Angel Camacho-Lopez |
|  | Art Unit                 | Unknown                    |
|  | Examiner Name            | Unknown                    |
| Sheet 1 of 2   | Attorney Docket No.      | KNST 2 00018               |

| U.S. PATENT DOCUMENTS |          |  |  |   |                |
|-----------------------|----------|--|--|---|----------------|
| Examiner Initials*    | Cite No. | Document No. Number-Kind Code (if known) | Issue Date Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Classification |
| <i>mc</i>             | AA       | 4,293,435                                | October 6, 1981                        | Portugall et al.                                |                |
|                       | AB       | 4,358,391                                | November 9, 1982                       | Finkelmann et al.                               |                |
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|                       | AO       | US2001/0032663 A1                        | October 25, 2001                       | Pelrine et al.                                  |                |
| <i>mc</i>             | AP       | US2002/060769 A1                         | May 2, 2002                            | Pelrine et al.                                  |                |

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| Examiner Initials*       | Cite No. | Foreign Patent Document Country Code-Number Kind Code (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited document | Classification | T                        |
|                          | AQ       |  |                             |   |                | <input type="checkbox"/> |

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS                                   |          |  |                          |  |
|---|----------|--|--------------------------|--|
| Examiner Initials*  | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T                        |  |
|  | AR       | P.I.C. TEIXEIRA, M. WARNER, "Dynamics of soft and semisoft nematic elastomers", The American Physical Society, July 1999, Volume 60, Number 1, pgs. 603-609.   | <input type="checkbox"/> |  |
|  | AP       | TEMEN, H., PLEINER, H., LIU, M., BRAND, H., "Convective Nonlinearity in Non-Newtonian Fluids", <u>Physical Review Letters</u> , The American Physical Society, 10 April 2000, Volume 84, Number 15, pgs. 3228-3231.  |                          |  |
|  | AQ       | FINKELMANN, H., NISHIKAWA, E., "A New Opto-Mechanical Effect in Solids", <u>Physical Review Letters</u> , The American Physical Society, 2 July 2001, Volume 87, Number 1, pgs 15501-1-15504-4   |                          |  |

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| Examiner: <i>Shannon</i>   | Date Considered: <i>1/5/06</i> |
| * EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if in conformance and not considered. Include copy of this form with next communication to applicant. |                                |

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|  | First Named Inventor     | Miguel Angel Camacho-Lopez |
|  | Art Unit                 | Unknown                    |
| Examiner Name  | Unknown                  |                            |
| Sheet 2 of 2   | Attorney Docket No.      | KNST 2 00018               |

| U.S. PATENT DOCUMENTS |          |   |                             |   |   |
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|                       | BA       |   |                             |   |   |
|                       | BB       |   |                             |   |   |
|                       | BC       |   |                             |   |   |
|                       | BD       |   |                             |   |   |
|                       | BE       |   |                             |   |   |
|                       | BF       |   |                             |   |   |
|                       | BG       |   |                             |   |   |
|                       | BH       |   |                             |   |   |
|                       | BI       |   |                             |   |   |
|                       | BJ       |   |                             |   |   |

| FOREIGN PATENT DOCUMENTS |          |  |                             |   |   |                          |
|--------------------------|----------|--|-----------------------------|---|---|--------------------------|
| Examiner Initials*       | Cite No. | Foreign Patent Document<br>Country Code-Number Kind Code <sup>(if known)</sup> | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T                        |
|                          | BK       |  |                             |   |   | <input type="checkbox"/> |
|                          | BL       |  |                             |   |   | <input type="checkbox"/> |

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS |          |   |                          |
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| Examiner Initials*                                | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published  | T                        |
| <i>aw</i>   | BM       | JAMIESON, V., Materials Science "Crystal Swims like a fish to escape from laser light", NewScientist, 22 March 2003, pg. 18.  | <input type="checkbox"/> |
| <i>bw</i>   | BN       | M. CAMACHO-LOPEZ, H. FINKELMANN, M. SHELLEY, P. PALFFY-MUHORAY, "Swimming towards the dark: A photophobic light-driven elastomeric swimmer", The First World Congress on Biomimetics & Artificial Muscles, December 10, 2002; <a href="http://www.world-congress.net/">http://www.world-congress.net/</a> Session P18 - Polymer Gels Oral Session March 5, 2003 | <input type="checkbox"/> |

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|---|---------------------------------|
| Examiner: <i>Shaw</i>   | Date Considered: <i>11/5/06</i> |
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